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Sheet 1

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Complete if Known				
Application Number	10/727,870			
Filing Date	December 4, 2003			
First Named Inventor	Lopez de Cardenas			
Art Unit	3672			
Examiner Name	Unknown			
Attorney Docket Number	68.0425			

U. S. PATENT DOCUMENTS Cite No. Examiner **Document Number Publication Date** Name of Patentee or Pages, Columns, Lines, Where MM-DD-YYYY Initials' Applicant of Cited Document Relevant Passages or Relevant Number-Kind Code^{2 (8 known)} Figures Appear ^{US-} 4926942 A 05-22-1990 Profrock, Jr. ^{US-} 6554064 B1 04-29-2003 Restarick US- 2002/0147574 A1 10-10-2002 Ong US-US US-US-USus-US-US-US-US-US-IIS. US-US-US-US

FOREIGN PATENT DOCUMENTS								
Examiner Cite Initials* No.	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages				
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Substitute for form 1449A/PTO				Application Number 10/727870						
INFORMATION DISCLOSURE				Filing Date 12/4/03						
STATEMENT BY APPLICANT				First Named Invent	First Named Inventor Lopez de Cardenas et al.		Cardenas et al.			
				Group Art Unit	***************************************					
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SPE Paper # 69841: PAPAMICHOS, MALMANGER; A Sand-Erosion Model for Volumetric Sand Predictions in a North Sea

SPE Paper # 75328: EWY, RAY, BOVBERG, NORMAN, GOODMAN; Openhole Stability and Sanding Predictions by 3D

SPE Paper # 77686: ABASS, NASR-EL-DIN, BA TAWEEL; Sand Control: Sand Characterization, Failure Mechanisms, and

SPE Paper # 77979: GHALAMBOR, ASADI; A Study of Relevant Parameters to Predict Sand Production in Gas Wells; June

SPE Paper # 78169: CHIN, RAMOS; Predicting Volumetric Sand Production in Weak Reservoirs; October 2002; 1-10.

November 2000; pp 14.

2002; pp 87-98.

Reservoir, February 2001; pp 44-50.

Completion Methods; September 2002; pp 1-8.

Extrapolation from Hole-Collapse Tests; December 2001; pp243-251.

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M	17					Methodology and Field Application; October 2002;			
/"	18	SPE Pape 2003; pp		RI, VAZIRI, BELH	IAJ, ISLAM; Effect of Volume	etric Failure on Sand Production in Oil-Wellbores; April			
	19	19 SPE Paper # 82240: MATHIS; Sand Management: A Review of Approaches and Concerns; May 2003; pp 1-7.							
	SPE Paper # 84262: KING, WILDT, O'CONNELL; Sand Control Completion Reliability and Failure Rate Comparison with a Multi-Thousand Well Database; October 2003; ppl-5.								
	21 SPE Paper # 84494: NISBIT, DRIA; Implementation of a Robust Deepwater Sand Monitoring Strategy; October 2003; pp 1-7.								
	22 SPE Paper # 84495: TIFFIN, STEIN, WANG; Drawdown Guidelines for Sand Control Completions; October 2003; pp 1-10.								
	23 SPE Paper # 84496: VAN DEN HOEK, GEILIKMAN; Prediction of Sand Production Rate in Oil and Gas Reservoirs; October 2003; pp1-9.								
	24 SPE Paper # 84497: WONG, FAIR, BLAND, SHERWOOD; Balancing Act: Gulf of Mexico Sand Control Completions, Peak Rate Versus Risk of Sand Control Failure; October 2003; pp 1-11.								
	25	SPE Paper # 84499: PALMER, VAZIRI, WILSON, MOSCHOVIDIS, CAMERON, ISPAS; Predicting and Managing Sand Production: A New Strategy; October 2003; pp 1-13.							
	26	SPE Paper # 86536: BRITO-RHOR, KUYUCU, FLORES; Efficient Alternative to Control Sand Production in Wells with Oil/Water Contact at the Wellbore; February 2004; pp1-5.							
	27	SPE Paper # 86555: YI, VALKO, RUSSELL; Predicting Critical Drawdown for the Onset of Sand Production; February 2004; pp 1-12.							
M	28	SPE Paper # 87004: YEOW, JOHAR, WU, TAN, YAAKUB; Sand Production Prediction Study Using Empirical and Laboratory Approach for a Multi-Field Gas Development; March 2004; pp 1-14.							

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